

CLAIMS

1. A fuel tank (1) for a motor vehicle having a plurality of surge chambers (6, 6') for collecting fuel, having a plurality of fuel pumps (7, 7') for feeding fuel from the surge chambers to an internal combustion engine of the motor vehicle and for feeding fuel to suction jet pumps (16, 16') arranged in the fuel tank, and having feed lines for the suction jet pumps for feeding fuel into the surge chambers, characterized in that the surge chambers (6, 6') are closed in a manner essentially forming a seal and have means for limiting a maximum pressure.
5
2. The fuel tank as defined in claim 1, wherein a return line (13) coming from a pressure regulator opens into a plurality of surge chambers (6, 6').
10
3. The fuel tank as defined in claim 1, wherein the suction jet pumps (16, 16') and surge chambers (6, 6') respectively arranged in mutually opposite chambers (2, 3) of the fuel tank (1) and are connected to one another.
4. The fuel tank as defined in claim 3, wherein the surge chambers (6, 6') are respectively filled via a combined jet line (21, 21').
15
5. The fuel tank as defined in claim 1, wherein the surge chambers (6, 6') have a cup-shaped base part (17) and a cover (18) which closes the opening of the cup-shaped base part (17).
6. The fuel tank as defined in claim 5, wherein the cover (18) is clipped to the cup-shaped base part (17).
20
7. The fuel tank as defined in claim 5, wherein the cover (18) or the base part (17) is manufactured from a material which is capable of swelling in fuel.
8. The fuel tank as defined in claim 5, 6 or 7, wherein the cover (18) has a sealing element (19) to seal it off from the base part (17).